Amendments to the Specification:

Replace the Sequence Listing filed on June 6, 2003 with the substitute Sequence Listing filed herewith.

Replace the paragraph beginning at page 12, line 2 with the following amended paragraph:

Fig. 1 is a depiction of the three dimensional structure of the Zif268 zinc finger protein that consists of three finger domains and binds the DNA sequence, 5'-GCG TGG GCG T-3' (SEQ ID NO:181). The black circles represent the location of the zinc ion.

Replace the paragraph beginning at page 12, line 5 with the following amended paragraph:

Fig. 2. is an illustration of the hydrogen-bonding interactions between amino acid residues of Zif268 and DNA bases. Amino acid residues at positions -1, 2, 3, and 6 along the α-helix interact with the bases at specific positions. The bold lines represent ideal hydrogen bonding, while the dotted lines represent potential hydrogen bonding. The upper strand has sequence 5'-GCG TGG GCG T-3' (SEQ ID NO:181) and the lower strand has sequence 5'-ACGCCCACGC-3' (SEQ ID NO:182)

The following amendment was previously submitted in the Applicant's Response mailed February 3, 2003. The amendment is reiterated here, the entry of which is respectfully requested, unless it has been already entered: Replace the paragraph beginning at page 13, line 1, with the following rewritten paragraph:

Fig. 8 is a diagram of pPCFMS-Zif, a plasmid that can be used for the construction of a library of hybrid plasmids ~~**(SEQ ID Nos:18 and 19)**~~. The region 5' of the Zif 268 insertion site corresponds to SEQ ID NO:18, and the amino acid sequence shown below this region corresponds to SEQ ID NO:19. The region 3' of the Zif268 insertion site corresponds to SEQ ID NO:167, and the amino acid sequence shown below this region corresponds to SEQ ID NO:168.

The following amendment was previously submitted in the Applicant's Response mailed February 3, 2003. The amendment is reiterated here, the entry of which is respectfully requested, unless it has been already entered: Replace the paragraph beginning at page 13, line 10, with the following rewritten paragraph:

Fig. 11 is a list of some DNA sequences of zinc finger domains selected by the *in vivo* system from a zinc finger library derived from the human genome and amino acid sequences encoded by the DNA sequences SEQ ID Nos:**[[22-33]]** **169-180**). The DNA sequences corresponding to the degenerate PCR primers used to amplify DNA segments encoding zinc finger domains from the human genome are underlined. The four potential base-contacting positions are indicated, and the amino acid residues are shown in bold. The two Cys residues and two His residues that are expected to coordinate with the zinc ion are shown in italics.

Replace the paragraph beginning at page 62, line 20, with the following rewritten paragraph:

TG-ZFD-035 "QTHR2" was identified by in vivo screening from human genomic sequence. Its amino acid sequence is: HKCLECGKCFSQNTHLTRHQRTH (SEQ ID NO:125). It is encoded by the human nucleic acid sequence:

5'-CACAAGTGCCTTGAATGTGGGAAATGCTTCAGTCAGAACACCCATCTGACTCGCC
ACCAACGCACCCAC-3' (SEQ ID NO:124).

Amendments to the Drawings:

The attached replacement sheet of drawings includes changes to FIG. 11 as originally filed and replaces the original sheet providing FIG. 11. The amendments correct the sequence identifiers.

Attachments following last page of this Amendment:

Replacement Sheet (1 page) and duplicate thereof (1 page) for Fig. 11.
Annotated Sheet Showing Change(s) (1 page)